

**UNITED STATES DEPARTMENT OF AGRICULTURE
Rural Utilities Service
Washington, DC 20250-1500**

September 24, 2002

TECHNICAL STANDARDS COMMITTEE "A" (TELECOMMUNICATIONS) MEETING #751

Summary of Decisions

1. Filled Buried Wires (Item "sa") – Superior Essex

Committee A accepted Superior Essex's dry-filled buried copper wire designs, designated BDWB-DF and BDWG-DF, for listing on page 1.3 as follows:

Manufacturer

Catalog Designation

sa-Filled Buried Wires

These manufacturers' filled buried wires shown by catalog designations comply with 7 CFR 1755.860

RUS Standard Designations:	<u>Distribution</u> ⁽¹⁾		<u>SEB (service)</u> ⁽²⁾	
RUS Standard Suffixes:	<u>N</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
Superior/Essex	BDW-B	BDW-G-CSC	BDW-B	BDW-G-CSC
	-	-	BDWB-DF ⁽³⁾	BDWG-DF ⁽³⁾

Suffixes:

Copper Alloy 220 (Bronze) Shield ----- N

Gopher-Resistant Shield ----- Y

Notes:

⁽¹⁾Available in 22 and 24 AWG conductor sizes.

⁽²⁾Available only in 22 AWG conductor size.

⁽³⁾Wire uses a "Water Blocking Powder" in place of a "Gel Compound" as the filling compound surrounding the twisted pairs in the wire core.

2. Fiber Optic Cable (Item "oc") – OFS BrightWave

Committee A accepted OFS BrightWave's single jacketed, all dielectric, dry-filled, self-supporting fiber optic cable design (AT-17D) for listing on pages 1.5.2 and 1.5.5 as follows:

Page 1.5.2**oc - Fiber Optic Cable**

RUS Standard Designations "CFO" (Filled) 7 CFR 1755.900

These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900

oc-c Self-Supporting Filled Fiber Optic Cables**RUS Standard Suffixes**

<u>Manufacturer</u>	<u>Cable Construction</u>					<u>Mode</u>	
	<u>I</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
OFS BrightWave	-	AT- <u> </u> ⁽¹³⁾ 7D ⁽²²⁾⁽²⁵⁾	-	-	(X)P-REA	X	X

Page 1.5.5

Notes:

⁽¹³⁾Replace the blank with the number 1 to indicate single jacketed cable or the number 2 to indicate double jacketed cable.

3. Access Equipment (Item "ae") – GoDigital Networks

Committee A accepted GoDigital's XCel-4a digital subscriber line system for listing on page 6.1 as follows:

ae - Access Equipment

<u>Manufacturer</u>	<u>Product</u>	<u>Copper</u>	<u>Fiber</u>	<u>Wireless</u>
GoDigital	XCel-4a	Y	N	N

4. Access Equipment (Item "ae") – Net to Net Technologies

Committee A accepted Net to Net's DSLAM product for listing on page 6.1 as follows:

ae - Access Equipment

<u>Manufacturer</u>	<u>Product</u>	<u>Copper</u>	<u>Fiber</u>	<u>Wireless</u>
Net to Net Technologies	IP DSLAM 4000 ⁽⁸⁾	Y	N	N
	IP DSLAM 12000 ⁽⁸⁾	Y	N	N
	ADSL MiniDSLAM	Y	N	N
	T1 Network Extender 1500	Y	N	N

Notes:

⁽⁸⁾Includes Multiplexer Uplink Module, ADSL Access Multiplexer Module, SDSL Inverse Multiplexer Module, and T1 Access Multiplexer 1500.

5. Access Equipment (Item "ae") – Optical Solutions

Committee A accepted Optical Solutions' FiberPath 400 system to replace their FiberPath analog system presently listed on page 6.1. This page will be revised to show the listing as follows:

ae - Access Equipment

<u>Manufacturer</u>	<u>Product</u>	<u>Copper</u>	<u>Fiber</u>	<u>Wireless</u>
Optical Solutions	FiberPath 400	N	Y	N

6. Transport Equipment (Item "te") – Fujitsu Network Communications

Committee A granted Technical Acceptance renewal to Fujitsu's FLM 600 ADM and FLM 150 ADM SONET lightwave transmission systems. If this equipment were to be included in the List of Materials, its listing would be shown as follows:

te – Transport Equipment

<u>Manufacturer</u>	<u>Product</u>	<u>Bit Rate</u>	<u>RF Band</u>
Fujitsu	FLM 600 ADM	OC-12	
	FLM 150 ADM	OC-3/12	

7. Transport Equipment (Item "te") – Kestrel Solutions

Committee A accepted Kestrel Solutions' TalonMX system for listing on page 6.2 as follows:

te – Transport Equipment

<u>Manufacturer</u>	<u>Product</u>	<u>Bit Rate</u>	<u>RF Band</u>
Kestrel Solutions	TalonMX	OC-3/12	

8. Stored Program Digital Switching Equipment (Item "pc") - Taqua, Inc.

Committee A accepted Taqua's Open Compact Exchange (OCX) Release 1.6 for listing on page 6.3 as follows:

pc - Stored Program Digital Switching Equipment

<u>Manufacturer</u>	<u>Base</u>	<u>Accepted System Release⁽⁵⁾</u>	<u>Acceptance Classification⁽¹⁾</u>	<u>RST(s)</u>
Taqua, Inc.	OCX	1.6	A	OCX

9. Wireless Networks (Item "wn") – AirNet Communications

Committee A accepted AirNet's GSM BSS equipment for listing in the List of Materials in a new category designated item "wn" and titled "Wireless Networks". This category was established by the Committee to list the GSM BSS equipment on a new page numbered 6.4 as follows:

<u>Manufacturer</u>	<u>Product</u>	<u>Technology</u>
AirNet	GSM BSS ⁽¹⁾	GSM

Notes:

⁽¹⁾Includes AdaptaCell BTS 3000, AirSite BS, BSC 3000, TRAU, and AirNet OMC-R.

10. Wireless Networks (Item "wn") – InterWave Communications

Committee A accepted InterWave's GSM Network equipment for listing under new item designation "wn – Wireless Networks" on page 6.4 as follows:

<u>Manufacturer</u>	<u>Product</u>	<u>Technology</u>
InterWave	GSM Network ⁽²⁾	GSM

Notes:

⁽²⁾Includes WAVEXchange MSC, WAVETransit, WAVEXpress BSC and BTS, and NIB.

11. Splice Closures (Item "pl"), Cable Enclosures (Item "er"), Buried Plant Housings (Item "se"), Pedestal Restricted Access Inserts (Item "sk"), Pole Mounted Wire Terminals (Item "wt"), Connectors (Item "cm"), Ground Rod and Pipe Clamps (Item "aj"), Grounding Connectors (Item "me"), Plastic Cable Guards (Item "wg"), and Terminal Blocks for Use in Pedestals (Item "sh") – Tyco Electronics

The List of Materials is being updated to reflect Tyco Electronics' acquisition of Raychem, Hub Fabricating Company, AMP, Inc., and Dulmison. In addition to changes in the manufacturer's designation, the update involves the deletion of several discontinued products and the addition of new catalog numbers. This revises product listings shown on pages 2.1, 2.3.1, 2.5.2, 2.5.5, 2.9, 3.1.2, 5.6, 6.1, 7.4.1, 7.5, 7.8, 7.14, and 7.15 as follows:

Page 2.1

pl - Splice Closure

<u>Manufacturer</u>	<u>Max. Cable Dia.</u>	<u>Straight</u>	<u>Branch</u>	<u>Encapsulant</u> ⁽²⁾
<u>a - Aerial Splice Closure for Copper Cables</u>				
<u>Free-Breathing</u>				
Tyco Electronics	0.75"	TRAC - AA	TRAC - AA	--
	1.26"	TRAC - A	TRAC - A	--
	1.89"	TRAC - B	TRAC - B	--
	2.56"	TRAC - B+	TRAC - B+	--
	3.27"	TRAC - C	TRAC - C	--

Page 2.31

Manufacturer

er - Cable Enclosures

Ready-Access Enclosures

e/w IDC Terminal Blocks

Strand-mounted, with two branch entrances (for lashed cables)

Filled Unprotected

	<u>Main Cable Dia. Range</u>	<u>Branch Cable Dia. Range</u>	<u>Series</u>
Tyco Electronics	0.55-1.90"	0.00-1.50"	DTerminator 2 ICT

Page 2.5.2se - Buried Plant Housings
(Complies with 7 CFR 1755.910)Type BDS Serving Area Interface Cabinet⁽⁴⁾ManufacturerDesignationTerminal
Type ⁽⁵⁾Cabinet
Series

Tyco Electronics

HubSnap or
Binding Post⁽¹³⁾NGXC⁽¹²⁾(16)
BK/BL⁽¹¹⁾(16)⁽¹²⁾Beige color may be used.⁽¹⁶⁾If ordered stubbed, cables must be RUS accepted.Page 2.5.5Manufacturersk - Pedestal Restricted Access Inserts⁽¹⁾

	<u>Catalog No.</u>	<u>Max. Splice Diameter</u>	<u>Maximum Splice Sizes</u>	
			<u>25xModules</u>	<u>Single Pair Connector</u>
Tyco Electronics	PedCap RE-2G	48mm (1.9 in.)	25-50 Pair	25-50 Pair
	PedCap RE-3G	76mm (3.0 in.)	25-200 Pair	25-200 Pair
	PedCap RE-4G	84mm (3.3 in.)	100-400 Pair	100-400 Pair
	PedCap RE-6G	114mm (4.5 in.)	200-900 Pair	200-900 Pair
	GT-3 ⁽²⁾	66mm (2.6 in.)	25-100 Pair	25-100 Pair
	GT-4 ⁽²⁾	91mm (3.6 in.)	50-400 Pair	50-400 Pair
	GT-6 ⁽²⁾	109mm (4.3 in.)	100-900 Pair	100-900 Pair

⁽²⁾Maximum splice sizes will vary with type of connector and/or gauge of cable used.Page 2.9ManufacturerCatalog Numberwt - Pole Mounted Wire Terminalswt-a Unprotected Filled Blocks

	<u>1-Pair</u>	<u>10-Pair</u>	<u>12-Pair</u>	<u>20-Pair</u>	<u>25-Pair</u>	<u>30-Pair</u>	<u>50-Pair</u>
Tyco Electronics (D Terminator 2)	--	--	DT2-PMT ⁽¹⁾	DT2-PMT ⁽¹⁾	DT2-PMT ⁽¹⁾	DTS-PMT ⁽¹⁾	DT2-PMT ⁽¹⁾

Note: ⁽¹⁾Order stub cable length in accordance with manufacturer's instructions.⁽²⁾These protected blocks use the Marconi Communications 1557 (R-800) cable-class "medium duty" arrester.

Page 3.1.2ManufacturerCatalog Numbercm - ConnectorsSplicing Connectors for Copper Conductors⁽²⁾Splicing Connectors (1 Conductor)Moisture ResistantNonmoisture Resistant⁽¹⁾

Tyco Electronics

552678-2(3 wts)
 1-552678-2
 552795-2
 552966-2
 553017-2 (Half-Tap ts)
 1-553017-1
 555790-1
 555791-1
 555965-2

552795-4
 1-552795-4
 552966-4
 555790-2

Page 7.4.1ManufacturerCatalog Numberaj - Ground Rod and Pipe ClampsStation Installations (Outdoors).081" (#12 AWG), .102" (#10 AWG) and .162" (#6 AWG) CopperGround Rod (Galvanized Steel)Ground Rod (Copper-Covered Steel)

Connected to:

1/2"5/8"1/2"5/8"

Tyco Electronics

1-83017-1⁽⁵⁾1-83017-3⁽⁵⁾1-81713-1⁽⁵⁾1-81713-3⁽⁶⁾83017-5⁽⁴⁾83017-2⁽⁴⁾81713-5⁽⁴⁾1-81713-2⁽⁷⁾

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81713-1⁽⁴⁾

81405-1

81406-1

Page 7.5ManufacturerCatalog Numberme - Grounding Connectors.102" (#10 AWG) Copper.162" (#6 AWG) Copper.162" (#6 AWG) Copper.102" (#10 AWG) Copper.257" (#4 AWG)

Connected to:

.162" (#6 AWG) CopperACSR.102" (#10 AWG) Copper

Tyco Electronics

81663-1⁽²⁾

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Page 7.8
Manufacturer

Catalog Number

wg - Plastic Cable Guards

Spirally Cut

Tyco Electronics

*Spirap (Specify diameter and length)

Page 5.6
Manufacturer

Catalog Number

sh - Terminal Blocks for Use in Pedestals

sh-a Unprotected Filled IDC Terminal Blocks

	<u>5-Pair (w/leads)</u>	<u>10-Pair (w/leads)</u>	<u>12-Pair (w/leads)</u>	<u>25-Pair (w/leads)</u>
Tyco Electronics (D Terminator 2)	PTB-5-AU-4 --	PTB-10-AU-4 PTB-10-FS(3)	PTB-12-AU-4 PTB-12-FS(3)	PTB-25-AU-4 PTB-25-FS(3)

Miscellaneous

- I. In response to August 6 and 7, 2002, e-mail requests from the 3M Company, Committee A sent 3M an August 15, 2002, letter acknowledging deletion of the following 3M product listings from pages 2.1.1 and 3.1.2, respectively.

Pages 2.1.1

pl - Splice Closure

<u>Manufacturer</u>	<u>Max. Cable Dia.(6)</u>	<u>Straight</u>	<u>Branch(4)</u>	<u>Encapsulant(2)</u>
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b - Buried Splice Closure for Copper Cables

Filled

3M Company	1.0"	9P212(*)-515	9P212(*)-515	D-Plus
	1.0"	9P224(*)-515	9P224(*)-515	
	2.0"	9P324(*)-515	9P324(*)-515	
	2.0"	9P424(*)-515	9P424(*)-515	
	2.5"	9P526(*)-515	9P526(*)-515	
	3.7"	9P726(*)-515	9P726(*)-515	
	4.0"	9P926(*)-515	9P926(*)-515	

Page 3.1.2ManufacturerCatalog Numbercm - ConnectorsSplicing Connectors for Copper Conductors⁽²⁾Splicing Connectors (1 Conductor)Nonmoisture Resistant⁽¹⁾

3M Company

Scotchlok™ UG

Connector Modules (5-Pair)

		<u>Straight Splice</u>	<u>Bridge Splice</u>	<u>Half-Tap Splice</u>
3M Company ⁽⁵⁾	(19-24 Awg)	710-SAL-5	710-BAL-5	710-TAL-5

Connector Modules (10-Pair)

		<u>Straight Splice</u>	<u>Bridge Splice</u>	<u>Half-Tap Splice</u>
3M Company ⁽⁵⁾	(22-26 Awg)	710-SC1-10	710-BC1-10	710-TC1-10
	(19-24 Awg)	710-SCL-10	710-BCL-10	710-TCL-10

Sincerely,

NORBERTO ESTEVES
 Chairman, Technical Standards
 Committee "A" (Telecommunications)
 Telecommunications Standards Division